

PENTEK® MICROGUARD® SERIES

MEMBRANE FILTER CARTRIDGE

IDEAL FOR POINT-OF-USE APPLICATIONS



Pentair® Pentek® MicroGuard™ Series membrane filters provide safer and cleaner drinking water without incorporating chemicals into the media or adding chemicals to the filtered water.

The MG-10MCB is uniquely designed with integral carbon block and sediment pre-filtration for the reduction of chlorine taste & odor and for providing extended life of the internal membrane element. This cartridge has 2.5 times greater filtration surface area than some anti-microbial carbon blocks, and operates at a higher flow rate with lower pressure drop. This makes the MG-10MCB ideal for Point-of-Use (POU) applications.

The MicroGuard cartridges do not require USEPA registration and their effectiveness is not susceptible to common substances normally found in some waters.

FEATURES/BENEFITS

Reduces particles as small as 0.15 micron in size by mechanical means

Membrane filtration provides 99.9999% reduction of bacteria and 99.9999% reduction of virus by mechanical means*

Combined carbon block and sediment pre-filtration for extended life and chlorine taste & odor reduction

Utilizes highly asymmetric polyethersulfone membrane with proprietary hydrophilic formulation for immediate wetting and high flow

Double O-ring endcap seals for absolute sealing in Pentair Pentek 3G housings

No electrical power required
Retains natural mineral content of water

SPECIFICATIONS

Filter Media – Polyethersulfone

Endcaps – Top: Polystyrene
Bottom: Polypropylene

Membrane Assembly – Polystyrene, epoxy resin

Carbon Pre-filter - Activated carbon, synthetic polymeric fibers & binders

Netting – Polyethylene

O-ring Seals – EPDM

Temperature Rating – 40-140°F (4.4-60°C)

*Based on manufacturer's internal testing.
EPA EST. NO. 086074-NH-001

RECOMMENDED OPERATING CONDITIONS

MODEL #	PART #	PRESSURE DIFFERENTIAL	STORAGE TEMPERATURE RANGE	pH RANGE	OPERATING PRESSURE RANGE	WATER TURBIDITY
MG-10MCB	255420-43	88 psi (6.1 bar) max	35-104°F (2.0-40°C)	2-12	5-88 psi (0.35-6.1 bar) max	<1 NTU

SPECIFICATIONS AND PERFORMANCE

MODEL #	PART #	MAXIMUM DIMENSIONS	RATING (ABSOLUTE)*	INITIAL ΔP (PSI) @ FLOW RATE (GPM)*	ESTIMATED CAPACITIES**
MG-10MCB	255420-43	2.88" x 10.28" (73 mm x 261 mm)	0.15	11 psi @ 1 gpm (0.76 bar @ 3.8 Lpm)	200-600 gallons (757-2,271 L)

*Based on manufacturer's internal testing.

**Capacities may vary depending on local water quality, type of pre-filtration and acceptable minimum flow rate.

Not certified for sale in California, Iowa, or Wisconsin

NOTE: Cartridge not intended for converting wastewater or raw sewage into drinking water

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.



FILTRATION & PROCESS

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